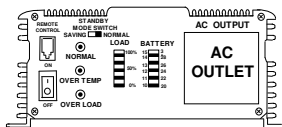




PURE SINEWAVE

DC TO AC POWER INVERTER 1000W DC12V or 24V to AC220V~240V Instruction Manual Please read user manual before use.



USEFUL APPLICATIONS

RUN NOTEBOOK COMPUTERS, RADIOS, SMALL TVS,
VCRS, LAMPS, FANS, FAX, ETC.

SPECIFICATION

INPUT VOLTAGE RANGE : DC 10~15V (12V) // DC 20~30V (24V)

INPUT FULL LOAD CURRENT : 110A (12V) // 55A (24V)

STANDBY INPUT CURRENT : <1.3A (12V) // <1A (24V)

EuP MODE INPUT CURRENT : <0.15A (12V) // <0.15A (24V)

EuP MODE AC OUTPUT : DETECTING AC OUTPUT EVERY 4~6 SECOND

OUTPUT VOLTAGE (AC) : 220V~240V

OUTPUT WAVEFORM : PURE SINEWAVE

OUTPUT FREQUENCY : 50Hz or 60Hz

CONTINUE OUTPUT POWER : 1000W

OUTPUT POWER : 1200W (10mini)

PEAK OUTPUT POWER : 2000W

EFFICIENCY : >85%

BATTERY LOW ALARM : 10.5V \pm 0.5V (12V) // 21 \pm 1V (24V)

BATTERY LOW SHUTDOWN : 10V \pm 0.5V (12V) // 20 \pm 1V (24V)

THERMAL PROTECT : 60 \pm 5°C (MICROCONTROLLER)

AUTO-OPERATION FAN (TEMPERATURE OR LOAD)

OVERLOAD PROTECT : YES (MICROCONTROLLER)

OUTPUT SHORT PROTECT : YES (MICROCONTROLLER)

BATTERY EX. 12V / 24V PROTECT : YES (MICROCONTROLLER)

FAN COOLING : CONTROL BY TEMPERATURE

BATTERY POLARITY PROTECT : YES (BY FUSE)

FUSE : 25A*6PC (12V) // 15A*6PC (24V)

DIMENTION (L*W*H) mm : 360*195*80

WEIGHT : 4.1kg

TROUBLESHOOTING

IF THE INVERTER DOES NOT APPEAR TO BE FUNCTIONING PROPERLY,
THERE ARE SEVERAL REASONS WHY THE INVERTER MAY NOT BE
RESPONDING.

1) POOR CONTACT

*CLEAN CONTACT PARTS THOROUGHLY.

2) RECEPTACLE HAS NO POWER

*CHECK FUSE, REPLACE DAMAGED FUSE.

*CHECK RECEPTACLE WIRING. REPAIR IF NECESSARY

3) FUSE IS BLOWN

*THE FUSE IS LOCATED INSIDE THE DC PLUG. REPLACE FUSE WITH A
FUSE OF EQUIVALENT VALUE.

4) OVERLOAD CAUSED AC OUTPUT REDUCE

*REDUCE THE WATTAGE OF YOUR LOAD TO LOWER THAN 1000 WATTS.

5) THERMAL CAUSED AC OUTPUT REDUCE

*UNDER HEAVY LOADS FOR EXTENDED PERIODS OF TIME. THE AC
INVERTER WILL REDUCE OUTPUT TO PREVENT DAMAGE TO EXCESS
HEAT. IF THIS HAPPENS, PLEASE PROCEED AS BELOW :

(A) SWITCH OFF THE POWER SWITCH OF THIS INVERTER.

(B) DECREASE LOAD OF THIS MACHINE I. E. DISCONNECT SOME OF THE
APPLIANCES OR WAIT UNTIL THIS INVERTER BECOME COOL.

(C) SWITCH ON THE POWER SWITCH OF THIS INVERTER.

6) LOW-BATTERY SHUTDOWN

*RECHARGE YOUR BATTERY AND RESUME OPERATION.

CAUTION

ALWAYS PLACE THE INVERTER IN AN
ENVIRONMENT WHICH IS:

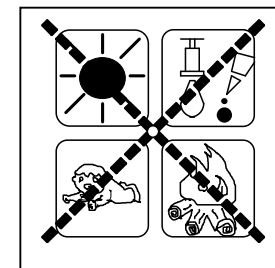
(A) WELL VENTILATED

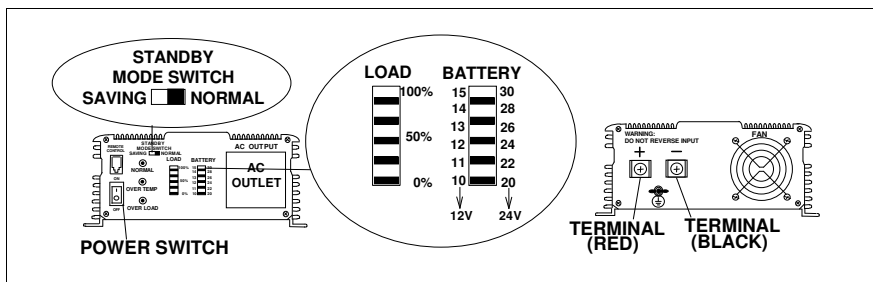
(B) NOT EXPOSED TO DIRECT SUNLIGHT
OR HEAT SOURCE

(C) OUT OF REACH FROM CHILDREN

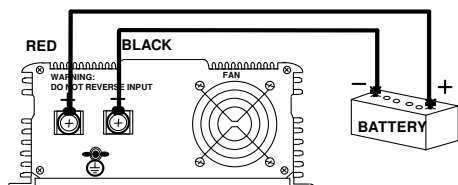
(D) AWAY FROM WATER/MOISTURE,
OIL OR GREASE

(E) AWAY FROM ANY FLAMMABLE SUBSTANCE





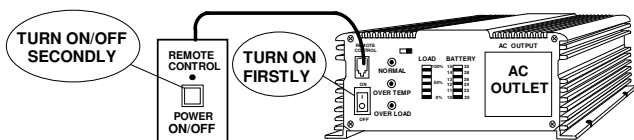
CAUTION : DO NOT REVERSE INPUT. USE RED BATTERY CORD TO CONNECT (+) OF A DC BATTERY TO (+) TERMINAL. AND THEN, USE BLACK BATTERY CORD TO CONNECT (-) BATTERY TO (-) TERMINAL.



Optional accessory : Remote control

REMOTE CONTROL OPERATION :

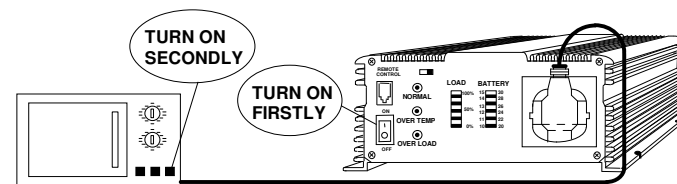
WHEN CONNECTED TO ANY APPLIANCE, BE SURE TO TURN ON INVERTER FIRST. AND THEN, CONNECT WITH THE REMOTE CONTROL WELL AND TURN ON THE SWITCH OF REMOTE CONTROL.



WARNING SIGNAL

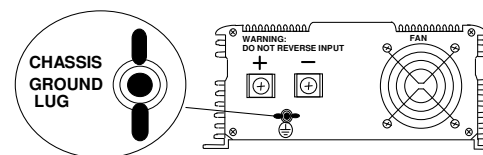
Condition	Warning signal cycle	Shutdown signal cycle
Low battery alarm:	BI BI BI (pause)	BEE BEE BEE (pause)
Over heating alarm:	BI BI (pause)	BEE BEE (pause)
Over Load alarm:		BEE (longer beep)
Note: BI is a short beep, and BEE is a longer beep.		

WHEN CONNECTED TO ANY APPLIANCE, BE SURE TO TURN ON INVERTER FIRST. AND THEN TURN ON THE POWER SWITCH OF THE APPLIANCE.

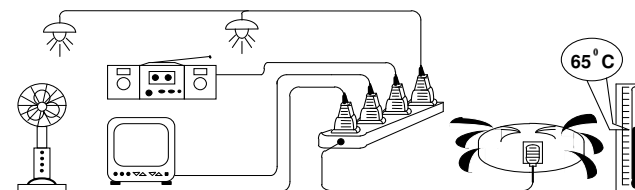


CHASSIS EARTH:

THE CHASSIS EARTH LUG SHOULD BE CONNECTED TO AN EARTH POINT, WHICH WILL VARY DEPENDING ON WHEN THE POWER INVERTER IS INSTALLED. IN A VEHICLE, CONNECT THE CHASSIS GROUND LUG TO THE CHASSIS OF THE VEHICLE. IN A BOAT, CONNECT TO THE BOAT'S GROUND SYSTEM. IN A FIXED LOCATION, CONNECT TO EARTH.



IF THE TOTAL WATTS OF ELECTRICAL APPLIANCES EXCEEDS THE OUTPUT CAPACITY OF INVERTER. OR AFTER OPERATING FOR A PERIOD OF TIME. IF THE TEMPERATURE OF THE INVERTER REACHES 65°C , THE INVERTER SHALL BE REDUCED AC OUTPUT BY THE PROTECTION CIRCUIT.



ATTENTION :

UNDER SAVING MODE, INVERTER WILL DETECT AC OUTPUT EVERY 4~6 SECONDS. IT WILL CAUSE 4~6 SECONDS OF DELAY WHEN USING SOME POWER TOOL, AS DRILL, ELECTRIC SAW, MOWER AND ETC.. WE SUGGEST SWITCHING TO NORMAL WHEN USING POWER TOOLS.